

AMENDMENTS TO THE CLAIMS

The following is a complete, marked-up listing of revised claims with a status identifier in parenthesis, underlined text indicating insertions, and strike through and/or double-bracketed text indicating deletions.

LISTING OF CLAIMS

1. (Currently Amended) A method of triggering registration of a mobile station in a wireless network supporting broadcast multicast services, comprising:

triggering generation of a registration message when flow and frequency both change, ~~from a first flow to a second flow and from a first frequency to a second frequency~~ not known to the network from first flow identifier information previously registered by the mobile station with the network, as monitored by the mobile station; and

not triggering generation of a registration message when flow or frequency alone change.

2. (Previously Presented) The method of claim 1, wherein the first flow identifier information is a broadcast-multicast service flow ID that the mobile station had previously registered with the network.

3. (Original) The method of claim 1, wherein the first or second frequency monitored by the mobile station is a frequency of broadcast multicast content being received by the mobile station.

4. (Previously Presented) The method of claim 1, wherein triggering generation of the registration message includes the mobile station:

changing from the first frequency to the second frequency;

determining whether presence of the mobile station's monitoring of the second frequency is known to the network, based on a broadcast-multicast service flow identifier that the mobile station previously registered with the network; and

transmitting a registration message to the network, if the second frequency does not correspond to a known frequency based on the broadcast-multicast service flow identifier.

5. (Currently Amended) A method of paging a mobile station in a wireless network comprising:

paging a mobile station on a given frequency based on a registration message received from the mobile station indicating the mobile station's presence on that given frequency,

wherein said registration message is generated when flow and frequency both change, ~~from a first flow to a second flow and from a first frequency to a second frequency~~ not known to the network from first flow identifier information

previously registered by the mobile station with the network, as monitored by the mobile station, wherein said registration message is not generated when flow or frequency alone change.

6. (Cancelled).

7. (Previously Presented) The method of claim 5, wherein the first flow identifier information is a broadcast-multicast service flow identifier that the mobile station has previously registered with the network.

8. (Previously Presented) The method of claim 5, wherein the frequency monitored by the mobile station is a frequency of broadcast-multicast content being received by the mobile station.

9. (Previously Presented) The method of claim 5, wherein generating a registration message includes the mobile station:

changing from the first frequency to the second frequency;
determining whether presence of the mobile station's monitoring of the second frequency is known to the network, based on a broadcast-multicast service flow identifier that the mobile station previously registered with the network; and

transmitting a registration message to the network, if the second frequency does not correspond to a known frequency based on the broadcast-multicast service flow identifier.

10. (Currently Amended) A method of determining a frequency of broadcast-multicast content being monitored by a mobile station in a wireless network, comprising:

generating, at the mobile station, a registration message generated when flow and frequency both change from a first frequency to a second frequency not known to the network from a broadcast-multicast service flow identifier that the mobile station had previously registered with the network;

not generating the registration message when flow or frequency alone change; and

determining an updated frequency being monitored by the mobile station from the generated registration message.

11. (Original) The method of claim 10, wherein the flow identifier information is a broadcast-multicast service flow identifier that the mobile station had previously registered with the network.

12. (Original) The method of claim 10, wherein the frequency monitored by the mobile station is contained in the registration message.

13. (Original) The method of claim 10, wherein generating a registration message includes the mobile station:

changing from the first frequency to the second frequency;

determining whether presence of the mobile station's monitoring of the second frequency is known to the network, based on a broadcast-multicast service flow identifier that the mobile station previously registered with the network; and

transmitting a registration message to the network, if the second frequency does not correspond to a known frequency based on the broadcast-multicast service flow identifier.

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